## IN THE CLAIMS

1. (Currently Amended) A method for ring-trip detection in a line card, comprising: using an analog-to-digital converter for processing voice signals; using the analog to digital converter for DC feed control; receiving a ringing control signal; transmitting a ringing signal to a subscriber line in response to the ringing control signal:

transmitting a ringing signal to a subscriber line in response to the ringing control signal; receiving a portion of the ringing signal from the subscriber line;

converting the portion of the ringing signal to a digital signal using the digital-to-analog converter; and

providing a ring-trip indication in response to the digital signal.

- 2. (Original) The method of claim 1, wherein the ringing signal comprises an AC signal.
- 3. (Original) The method of claim 1, further including terminating the ringing signal in response to the ring-trip indication.
  - 4.-6. Cancelled.
  - 7. (Currently Amended) An apparatus, comprising:
    first circuitry comprising an analog-to-digital converter that is employed for processing of voice signals and for DC feed control;

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a ringing generator capable of providing a ringing signal to a subscriber line in response to receiving a ringing control signal;

- second circuitry capable of receiving at least a portion of the ringing signal from the

  subscriber line and delivering the portion of the ringing signal to the analog-todigital converter of the first circuitry, wherein the analog-to-digital converter

  converts the portion of the ringing signal to a digital signal; and

  ring-trip detection logic capable of providing a ring-trip indication in response to the

  digital signal.
- 8. (Original) The apparatus of claim 7, further including third circuitry capable of terminating the ringing signal in response to the ring-trip indication.
  - 9. (Previously presented) An apparatus, comprising:
  - a feedback path having an input and output terminal, the feedback path including an analog-to-digital converter for processing voice signals;
  - a switch capable of coupling the input and output terminal of the feedback path in response to receiving a control signal; and
  - a ringing generator capable of providing a ringing signal to a subscriber line in response to the control signal.
- 10. (Previously presented) The apparatus of claim 9, further including circuitry capable of:

receiving at least a portion of the transmitted ringing signal from the subscriber line; and

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delivering the portion of the received ringing signal to the input terminal of the feedback path.

- 11. (Previously presented) The apparatus of claim 10, wherein the analog-to-digital converter of the feedback path converts the received ringing signal to a digital signal.
- 12. (Original) The apparatus of claim 11, further including ring-trip detection logic, wherein the ring-trip detection logic generates a ring-trip detection indication in response to the digital signal.
  - 13. (Currently Amended) A line card, comprising:

a subscriber line interface circuit capable of:

receiving a voice signal from the subscriber line;

delivering a ringing signal to the subscriber line; and

receiving at least a portion of the transmitted signal from the subscriber line; and a digital signal processor capable of:

processing the voice signal using an analog-to-digital converter;

using the analog-to-digital converter for DC feed control;

converting the portion of the ringing signal to a digital signal using the analog-to-

digital converter; and

providing a ring-trip indication in response to the digital signal.

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14. (Original) The line card of claim 13, wherein the subscriber line integrated circuit is a voltage subscriber line interface circuit.

- 15. (Original) The line card of claim 14, wherein the subscriber line interface circuit is capable of receiving a data signal in a frequency band above voice signals.
- 16. (Previously presented) The line card of claim 14, wherein the digital signal processor provides a ring-trip indication based on a power of the digital signal over a selected interval.
  - 17. (Original) The line card of claim 14, wherein the ringing signal is an AC signal.
- 18. (Previously presented) An apparatus for ring-trip detection, the apparatus comprising:

means for using an analog-to-digital converter for processing voice signals; means for using the analog-to-digital converter for DC feed control; means for receiving a ringing control signal;

means for transmitting a ringing signal to a subscriber line in response to the ringing control signal;

means for receiving a portion of the ringing signal from the subscriber line;
means for converting the portion of the ringing signal to a digital signal using the analog-

means for providing a ring-trip indication in response to the digital signal.

to-digital converter; and

19. (Previously presented) A method, comprising:

processing a signal received over a subscriber line by one or more components in a first path, the first path having an input terminal and an output terminal; receiving a control signal;

coupling the input and the output terminal of the first path in response to receiving the control signal; and

providing a ringing signal to the subscriber line responsive to the control signal.

- 20. (Previously presented) The method of claim 19, wherein the first path is a voice path, and wherein processing the signal comprises processing a voice signal received over the subscriber line.
- 21. (Previously presented) The method of claim 19, wherein the first path is a loop supervision path, and wherein processing the signal comprises processing a DC signal received over the subscriber line.
  - 22. (Previously presented) An apparatus, comprising:

means for processing a signal received over a subscriber line by one or more components in a first path, the first path having an input terminal and an output terminal; means for receiving a control signal;

means for coupling the input and the output terminal of the first path in response to receiving the control signal; and

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means for providing a ringing signal to the subscriber line responsive to the control signal.

- 23. (New) The method of claim 1, further comprising using the analog-to-digital converter for DC control.
- 24. (New) The line card of claim 13, wherein the digital signal processor further uses the analog-to-digital converter for DC feed control.